NETWORK EXPANSION PROJECT

STAKEHOLDER COMMITTEE

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Initial Budget Request

- Combined two Initiatives supporting state and university needs.

- Included acquisition and lighting of fiber

- Projected cost: $7,823,000

- Legislature split funding for State and University and included use conditions.

Network Expansion Project

- $6,687,000 appropriated in Special Session.

- University & State requests separated.

- Restrictions placed on State use of Fiber backbone.

Objectives

- Campus Fiber Upgrades

- Internet Portal Upgrades

- Network Management Tools

- Non-State DMZ

- Remote site Upgrades

Campus Fiber Upgrades

- Completes extension of multi-mode fiber to all buildings on the campus.

- Supports Gigabit capabilities.

- Long term growth

- Redundant Connections

Internet Portal Upgrades

- Redundant Internet Portals in Helena and Billings

- Supports load balancing and auto-failover

- Growth up to 300Mb

Network Management Tools

- Fiber Test Equipment

- Enhanced Performance Monitoring

- Response Time and Event Correlation

- Enhanced Wireless performance and Security monitoring

Non-State DMZ

- Establishes a Non-State Security Zone

- Supports user connections that have differing Security Policies and Procedures

- Improved Security and Reliability

- Local Government, Contractors, Education and others

Remote Site Upgrades

- 500+ remote connections

- 51% of remote sites are
  in jeopardy of failure due to high utilization.

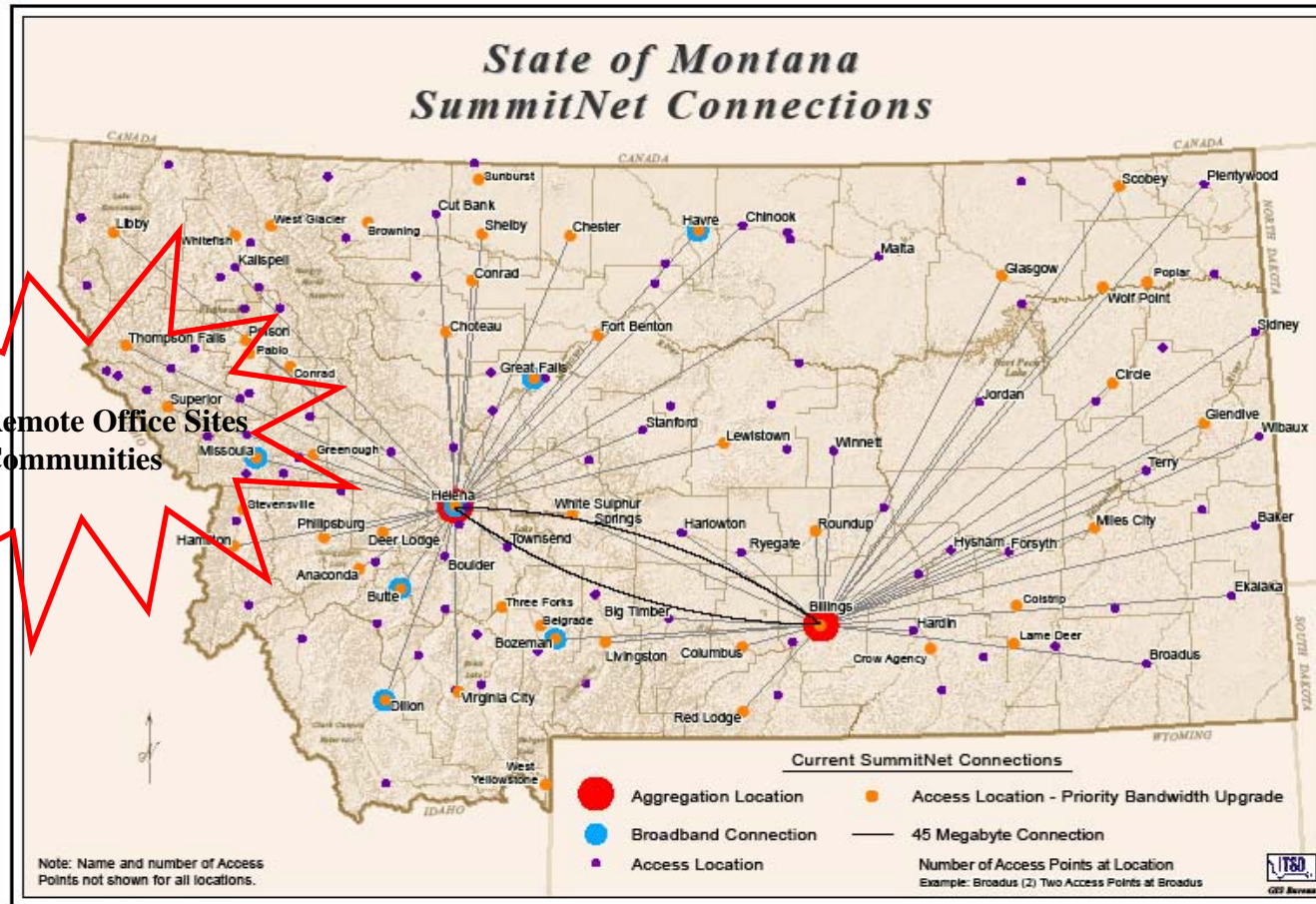- Supports convergence of voice, video and data traffic.
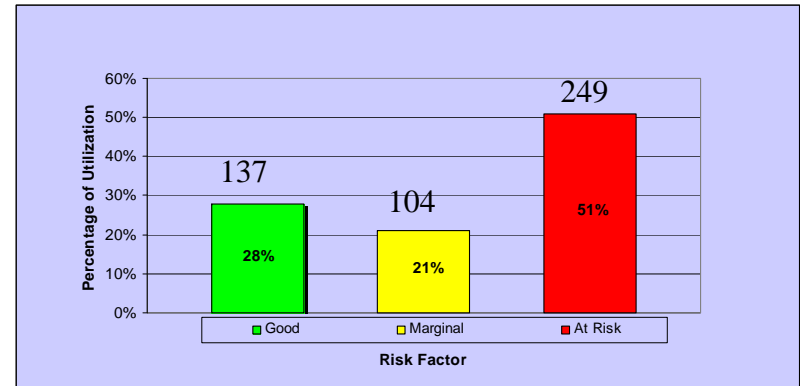
Remote Site Upgrades

- Upgrades dependent upon award of new contract for Statewide Transport Services.

- Priorities based on need for convergence, high utilization, identified needs and individual site requirements.

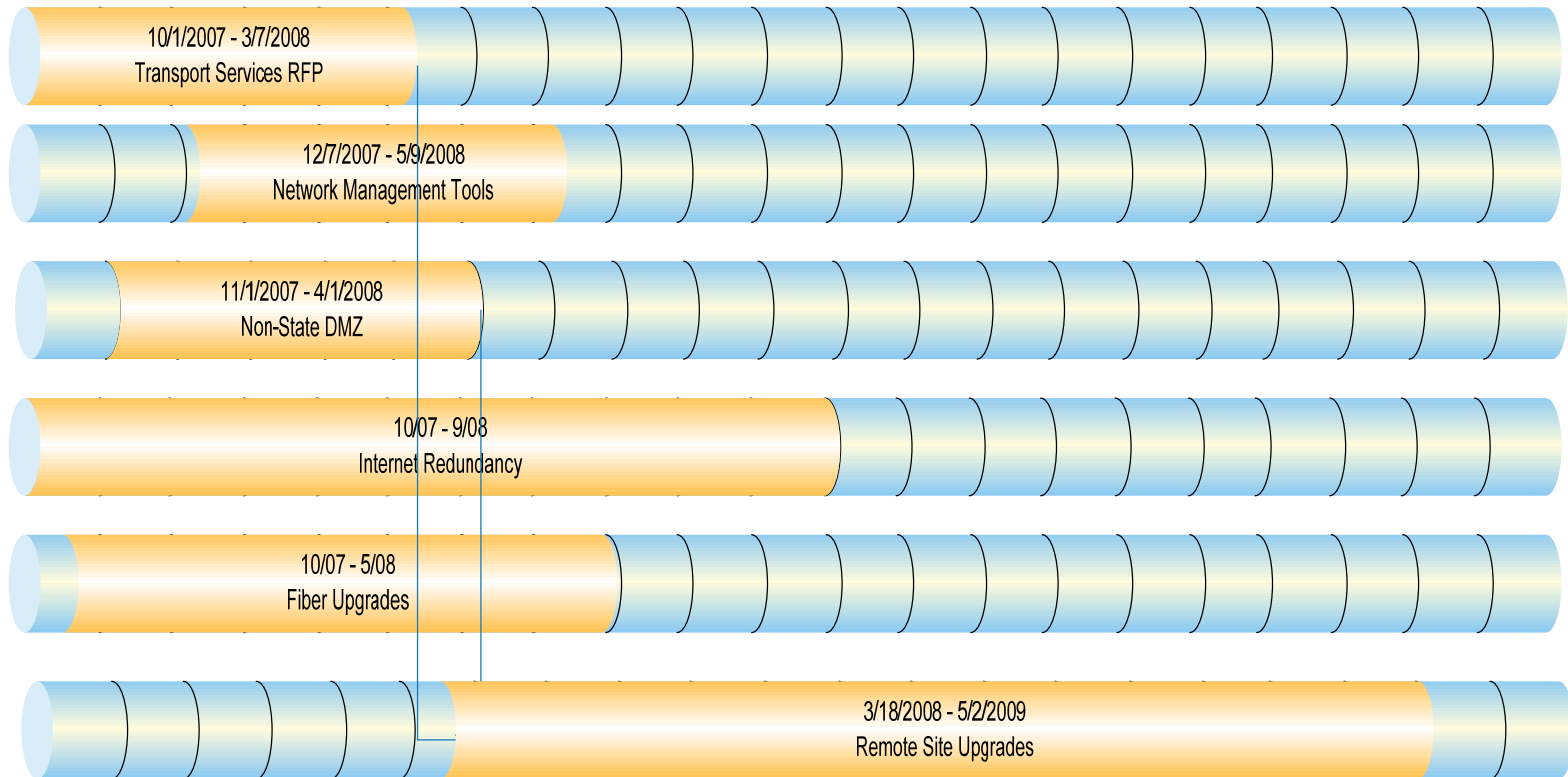- Initial site conversions have to be completed by 11/30/08.

Network Services RFP

- Greater capacity, that's flexible and cost effective

- Appropriate technologies to support application and capacity needs

- To continue our successful relationships with private sector providers

Remote Site Upgrades

State of Montana SummitNet Connections

94 Remote Office Sites
49 Communities

Time Tables

10/1/2007 - 3/7/2008
Transport Services RFP

12/7/2007 - 5/9/2008
Network Management Tools

11/1/2007 - 4/1/2008
Non-State DMZ

10/07 - 9/08
Internet Redundancy

10/07 - 5/08
Fiber Upgrades

3/18/2008 - 5/2/2009
Remote Site Upgrades

Issues & Concerns

- Technical Resources

- Time Constraints

- Cost

Current Network Design

State of Montana Summitnet Connections